INFORMATION DISCLOSURE CITATION

Form PTO-1449 (Modified) (Use several sheets if necessary)

ATTY. DOCKET NO.	SERIAL N
4810-69922-01	10/516,

NO. 779

SEP 1 9 2005

E TRANSING

APPLICANT

ROZWADOWSKI, Kevin, L. et al.

FILING DATE 3 December 2004 **GROUP**

1651

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Ciass	Subclass	Filing Date If Appropriate
CIX	5,320,958	14 June 1994	Inouye et al.			
Î	5,405,775	11 April 1995	Inouye et al.			
	5,436,141	25 July 1995	Miyata et al.			
	5,780,269	14 July 1998	Inouye et al.			
	5,849,563	15 Dec. 1998	Miyata et al.			
	6,017,737	25 Jan. 2000	Inouye et al.			
1/	6,504,081	7 Jan. 2003	Westphal et al.			······································

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation
CAL	WO 02/062986	15 Aug. 2002	PCT			
COV	2,075,515	7 Aug. 1992	CA			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

upl	Ach, R.A., Durfee, T., Miller, A.B., Taranto, P., Hanley-Bowdoin, L., Zambryski, P.C., Gruissem, W., "RRB1 and RRB2 encode maize retinoblastoma-related proteins that interact with a plant D-type cyclin and geminivirus replication protein", Mol Cell Biol 17: 5077-5086 (1997)
	Ainley, W.M., Key, J.L., "Development of a heat shock inducible expression cassette for plants: characterization of parameters for its use in transient expression assays", <i>Plant Mol. Biol.</i> 14: 949-967 (1990)
	Akbar Behjatnia, S.A. et al., "Identification of the replication-associated protein binding domain within the intergenic region of tomato leaf curl geminivirus", Nucleic Acids Res 26: 925-931 (1998)
	Alexeev, V., Igoucheva, O., Domashenko, A., Cotsarelis, G., Yoon, K., "Localized in vivo genotypic and phenotypic correction of the albino mutation in skin by RNA-DNA oligonucleotide", Nat. Biotechnol. 18: 43-47 (2000)
	Alonso, J.C., Ayora, S., Canosa, I., Weise, F., Rojo, F., "Site-specific recombination in gram-positive theta- replicating plasmids", FEMS Microbiol Lett 142: 1-10 (1996)
	Altschul et al., "Basic Local Alignment Search Tool", J. Mol. Biol. 215:403-10 (1990)
N	An, Y.Q., Huang, S., McDowell, J.M., McKinney, E.C., Meagher, R.B., "Conserved expression of the Arabidopsis ACT1 and ACT actin subclass in organ primordia and mature pollen", Plant Cell 8: 15-30 (1996)

EXAMINER

DATE CONSIDERED

SERIAL NO. ATTY, DOCKET NO. INFORMATION DISCLOSURE CITATION 10/516,779 4810-69922-01 Form PTO-1449 (Modified) (Use several sheets if necessary) **APPLICANT** ROZWADOWSKI, Kevin, L. et al. **FILING DATE GROUP** 3 December 2004 1651 An, Y.Q., McDowell, J.M., Huang, S., McKinney, E.C., Chambliss, S., Meagher, R.B., "Strong, constitutive (D) expression of the Arabidopsis ACT2/ACT8 actin subclass in vegetative tissues", Plant J 10: 107-121 (1996) Aoyama, T., Chua, N.H., Plant J. 11(3): 605-612 (1997), Abstract Arai, N., Kornberg, A., "Rep protein as a helicase in an active, isolatable replication fork of duplex phi X174 DNA", J Biol Chem 256: 5294-5298 (1981) Arezi, B., Kuchta, R.D., "Eukaryotic DNA primase", Trends Biochem Sci 25: 572-576 (2000) Asano, S., Higashitani, A., Horiuchi, K., "Filamentous phage replication initiator protein gpII forms a covalent complex with the 5' end of the nick it introduced", Nucleic Acids Res 27: 1882-1889 (1999) Atanassova, R., Chaubet, N., Gigot, C., "A 126 bp fragment of a plant histone gene promoter confers preferential expression in meristems of transgenic Arabidopsis", Plant J 2: 291-300 (1992) Ausubel, et al. (eds), Current Protocols in Molecular Biology, Vol. 1, Green Publishing Associates, Inc., and John Wiley & Sons, Inc., New York, at p. 2.10.1 (1993) Backert, S., Dorfel, P., Lurz, R., Borner, T., "Rolling-circle replication of mitochondrial DNA in the higher plant Chenopodium album (L.)", Mol Cell Biol 16: 6285-6294 (1996) Basile, G., Aker, M., Mortimer, R.K., "Nucleotide sequence and transcriptional regulation of the yeast recombinational repair gene RAD51", Mol.Cell Biol. 12: 3235-3246 (1992) Bastia, D., "Determination of restriction sites and the nucleotide sequence surrounding the relaxation site of CoIE1", J Mol Biol 124: 601-639 (1978) Bechtold, N., Pelletier, G., "In planta Agrobacterium-mediated transformation of adult Arabidopsis thaliana plants by vacuum infiltration", Methods Mol Biol 82: 259-266 (1998) Beck, E., Zink, B., "Nucleotide sequence and genome organisation of filamentous bacteriophages fl and fd", Gene 16: 35-58 (1981) Beetham, P.R., Kipp, P.B., Sawycky, X.L., Arntzen, C.J., May, G.D., "A tool for functional plant genomics: chimeric RNA/DNA oligonucleotides cause in vivo gene-specific mutations", Proc. Natl. Acad. Sci. U.S.A 96: 8774-8778 (1999) Bell, J.B., Jones, M.E., "Purification and characterization of yeast orotidine 5'-monophosphate decarboxylase overexpressed from plasmid PGU2", J Biol Chem 266: 12662-12667 (1991) Bennett, C.B., Lewis, A.L., Baldwin, K.K., Resnick, M.A., "Lethality induced by a single site-specific doublestrand break in a dispensable yeast plasmid", Proc Natl Acad Sci US A 90: 5613-5617 (1993) Benton, B.M., Eng, W.K., Dunn, J.J., Studier, F.W., Sternglanz, R., Fisher, P.A., "Signal-mediated import of bacteriophage T7 RNA polymerase into the Saccharomyces cerevisiae nucleus and specific transcription of target genes", Mol. Cell Biol. 10: 353-360 (1990) Bernardi, A., Bernardi, F., "Complete sequence of pSC101", Nucleic Acids Res 12: 9415-9426 (1984) Bertling, W., "Gene Targeting", In: Vega, MA (ed), Gene Targeting, pp. 1-44. CRC Press, Boca Raton (1995) Bertling, W.M., Aigner, T., "Evidence for tissue specific activation of the retrotransposon L1 in mice", J. Cell. Biochem. suppl. 18B, p. 45 (1994) Bevan, M.W., Flavell, R.B., Chilton, M.D., "A chimaeric antibiotic resistance gene as a selectable marker for plant cell transformation", *Nature* 304: 184-187 (1983) Bialkowska-Hobrzanska, H., Denhardt, D.T., "The rep mutation. VII. Cloning and analysis of the functional rep gene of Escherickia coli K-12", Gene 28: 93-102 (1984)

DATE CONSIDERED EXAMINER: Initial if reference gone dered, whether or not citation is in conformance with MPEP 609/Draw life through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

EXAMINER

ı	NFORMATION DISCLOSURE CITATION	ATTY. DOCKET NO. 4810-69922-01	SERIAL NO. 10/516,779	
	Form PTO-1449 (Modified) (Use several sheets if necessary)	APPLICANT		
			KI, Kevin, L. et al.	
		FILING DATE 3 December 2004	GROUP 1651	
CDL	Biswas, I., Gruss, A., Ehrlich, S.D., Maguin, E., "High-egram-positive bacteria", <i>J Bacteriol</i> 175: 3628-3635 (19	93)		
Ì	Boe, L., Gros, M.F., Te, R.H., Ehrlich, S.D., Gruss, A., 'pUB110", <i>J Bacteriol</i> 171: 3366-3372 (1989)		<u>•</u>	
	Bohner, S., Lenk, I., Rieping, M., Herold, M., Gatz, C., mediates dexamethasone-inducible and tetracycline-inac	tivatable gene expression",	Plant J. 19: 87-95 (1999)	
	Boulikas, T., "Common structural features of replication (1996)			
	Boyer, H., "Genetic control of restriction and modificati (1964)	on in Escherichia coli.", J Bo	acteriol 88, pp. 1652-1660	
	Brandstatter, I., Kieber, J.J., Plant Cell 10: 1009-1019 (1	<u> </u>		
	Bratthauer, G.L., Fanning, T.G., "Active LINE-1 retrotra 507-510 (1992)			
	Bravo-Angel, A.M., Gloeckler, V., Hohn, B., Tinland, B integration of complex DNA structures into plant cells",			
	Brinster, R.L., Braun, R.E., Lo, D., Avarbock, M.R., Ora histocompatibility class II E alpha gene by DNA microir 7087-7091 (1989)	am, F., Palmiter, R.D., "Targ njected into mouse eggs", Pr	geted correction of a major oc Natl Acad Sci U.S.A. 86:	
	Brister, J.R., Muzyczka, N., "Mechanism of Rep-mediated adeno-associated virus origin nicking", J Virol 74: 7762-7771 (2000)			
	Brosius, J., Holy, A., "Regulation of ribosomal RNA pro U.S.A. 81: 6929-6933 (1984)			
	Broverman, S., MacMorris, M., Blumenthal, T., "Alterat transformation", <i>Proc. Natl. Acad. Sci. U.S.A</i> 90: 4359-4		ns gene expression by targeted	
	Byrd, D.R., Matson, S.W., "Nicking by transesterification 1011-1022 (1997)	n: the reaction catalysed by	a relaxase", Mol Microbiol 25:	
	Caddick, M.X. et al, <i>Nature Biotech</i> . 16: 177-180 (1998)	····		
	Callis, J., Raasch, J.A., Vierstra, R.D. "Ubiquitin extensi localization, and expression of their promoters in transge	nic tobacco", J Biol Chem 2	65: 12486-12493 (1990)	
	Carles-Kinch, K., Kreuzer, K.N., "RNA-DNA hybrid for <i>Biol</i> 266: 915-926 (1997)	mation at a bacteriophage T	4 replication origin", <i>J Mol</i>	
	Carrington et al., Plant Cell 3: 953-962 (1991)			
	Castellano, M.M., Sanz-Burgos, A.P., Gutierrez, C., "Inireplicon: identification of multiple DNA-protein complex (1999)	•	J	
	Chang, A.C., Cohen, S.N. "Construction and characterizaterived from the P15A cryptic miniplasmid", <i>J Bacteriol</i>	= •	by DNA cloning vehicles	
	Chang, T.L., Kramer, M.G., Ansari, R.A., Khan, S.A., "Fin the initiation and termination of plasmid rolling circle	replication", J Biol Chem 27	/5: 13529-13534 (2000)	
M	Choi, I.R., Stenger, D.C., "Strain-specific determinants of 206: 904-912 (1995)	f beet curly top geminivirus	DNA replication", Virology	
EXAMINER	DATE	CONSIDERED PL	11	

INFORMATION DISCLOSURE CITATION Form PTO-1449 (Modified)		ATTY. DOCKET NO. 4810-69922-01	SERIAL NO. 10/516,779		
	(Use several sheets if necessary)	APPLICANT ROZWADOWS	KI, Kevin, L. et al.		
		FILING DATE 3 December 2004	GROUP 1651		
UDL	Chu, P.W., Keese, P., Qiu, B.S., Waterhouse, P.M., Ger DNA segments of subterranean clover stunt virus and id protein", <i>Virus Res</i> 27: 161-171 (1993)				
1	Chu, S., DeRisi, J., Eisen, M., Mulholland, J., Botstein, program of sporulation in budding yeast", Science 282:	•	, I., "The transcriptional		
	Clark, A.B., Cook, M.E., Tran, H.T., Gordenin, D.A., R MutSalpha and MutSbeta complexes in yeast", Nucleic		•		
	Clough, S.J., Bent, A.F., "Floral dip: a simplified metho Arabidopsis thaliana", <i>Plant J</i> 16: 735-743 (1998)	d for Agrobacterium-mediate	ed transformation of		
	Colasanti, J., Denhardt, D.T., "Expression of the cloned inhibits DNA replication and cell division", J Virol 53:		gene in Escherichia coli		
	Cole-Strauss, A., Gamper, H., Holloman, W.K., Munoz, directed by the chimeric RNA/DNA oligonucleotide in a 1323-1330 (1999)				
	Cole-Strauss, A., Yoon, K., Xiang, Y., Byrne, B.C., Rice, M.C., Gryn, J., Holloman, W.K., Kmiec, E.B., "Correction of the mutation responsible for sickle cell anemia by an RNA-DNA oligonucleotide", Science 273: 1386-1389 (1996)				
	Colleaux, L., D'Auriol, L., Galibert, F., Dujon, B., "Recognition and cleavage site of the intron-encoded omega transposase", Proc Natl Acad Sci U.S.A. 85: 6022-6026 (1988)				
	Cotmore, S.F., Tattersall, P., "High-mobility group 1/2 preplication at a parvovirus hairpin origin", <i>J Virol</i> 72: 84		ating rolling-circle-type DNA		
	Coupland, G.M., Brown, A.M., Willetts, N.S., "The original characterization by deletion analysis and DNA sequencial				
	Critchlow, S.E., Jackson, S.P., "DNA end-joining: from	yeast to man", Trends Bioch	em. Sci. 23: 394-398 (1998)		
	Crossway, A., Oakes, J.V., Irvine, J.M., Ward, B., Knau following microinjection of tobacco mesophyll protoplas				
	Cummings, W.J., Zolan, M.E., "Functions of DNA repair (1998)	ir genes during meiosis", Cui	rr.Top.Dev.Biol. 37: 117-140		
	D'Halluin, K., Bonne, E., Bossut, M., De Beuckeleer, Melectroporation", <i>Plant Cell</i> 4: 1495-1505 (1992)	I., Leemans, J., "Transgenic	maize plants by tissue		
	Datsenko, K.A., Wanner, B.L., "One-step inactivation of products", <i>Proc Natl Acad Sci U.S.A.</i> 97: 6640-6645 (20	_	nerichia coli K-12 using PCR		
	Dawe, R.K., "Meiotic Chromosome Organization And S Physiol. Plant Mol. Biol. 49: 371 (1998)	egregation In Plants", standa	ard. dtl Annu. Rev. Plant		
	de Boer, H.A., Comstock, L.J., Vasser, M., "The tac propromoters", Proc. Natl. Acad. Sci. U.S.A 80: 21-25 (198)	•	erived from the trp and lac		
	de Groot, M.J., Offringa, R., Does, M.P., Hooykaas, P.J., van den Elzen, P.J., "Mechanisms of intermolecular homologous recombination in plants as studied with si", Nucleic Acids Res. 20: 2785-2794 (1992)				
/	Dean, R.B., Dixon, W., "Simplified statistics for small n	umbers of observations", An	al. Chem. 23: 636-638 (1951)		
W	del Solar, G., Giraldo, R., Ruiz-Echevarria, M.J., Espino circular bacterial plasmids", Microbiol Mol Biol Rev 62:		plication and control of		
EXAMINER	DATE	CONSIDERED S	6/16		
EXAMINER conformance	: Initiallif reference considered, whether or not citation is in contant and not considered. Include copy of this form with next communication.	formance with MPEP 609 Drav	vilne through citation if not in		

		1	rage 5 01 20		
	INFORMATION DISCLOSURE CITATION Form PTO-1449 (Modified)	ATTY. DOCKET NO. 4810-69922-01	SERIAL NO. 10/516,779		
	(Use several sheets if necessary)		SKI, Kevin, L. et al.		
		FILING DATE 3 December 2004	GROUP 1651		
[0]	Deng, C., Capecchi, M.R. "Reexamination of gene targe	eting frequency as a function	of the extent of homology		
cu	between the targeting vector and the target locus", Mol		, , , , , , , , , , , , , , , , , , ,		
	Dente, L., Cesareni, G., Cortese, R., "pEMBL: a new fa 1645-1655 (1983)	mily of single stranded plass	nids", Nucleic Acids Res 11:		
	Dente, L., Cortese, R., "pEMBL: a new family of single Enzymol. 155: 111-119 (1987)	-stranded plasmids for seque	encing DNA", Methods		
	Desbiez, C., David, C., Mettouchi, A., Laufs, J., Gronen geminivirus has an ATPase activity required for viral Di (1995)	~ -			
	Deshayes, A., Herrera-Estrella, L., Caboche, M., "Lipos protoplasts by an Escherichia coli plasmid", EMBO J 4:		n of tobacco mesophyll		
	Dhundale et al., "Structure of msDNA from Myxococcu. Precursor for the Covalently Linked, Branched RNA," (ng, Self-Annealing RNA		
	Dhundale et al., "A New Species of Multicopy Single-stranded DNA from Myxococcus xanthus with Conserved Structural Features," J. Biol. Chem 263: 9055-9058 (1988)				
	Dotto, G.P., Enea, V., Zinder, N.D., "Functional analysis of bacteriophage fl intergenic region", Virology 114: 463-473 (1981)				
	Dotto, G.P., Horiuchi, K., "Replication of a plasmid containing two origins of bacteriophage", <i>J Mol Biol</i> 153: 169-176 (1981)				
	Dotto, G.P., Horiuchi, K., Zinder, N.D., "Initiation and termination of phage fl plus-strand synthesis", <i>Proc Natl Acad Sci U.S.A.</i> 79: 7122-7126 (1982)				
	Dotto, G.P., Horiuchi, K., Zinder, N.D., "The functional and domains", J Mol Biol 172: 507-521 (1984)	origin of bacteriophage fl I	ONA replication. Its signals		
	Dotto, G.P., Zinder, N.D., "Increased intracellular concerninimal sequence required for initiation of DNA synthematics."				
	Doutriaux, M.P., Couteau, F., Bergounioux, C., White, CDMC1 homologs from Arabidopsis thaliana", Mol.Gen.		ation of the RAD51 and		
	Dry, I.B., Rigden, J.E., Krake, L.R., Mullineaux, P.M., I organization of tomato leaf curl geminivirus", J Gen Vir		sequence and genome		
	Dujon, B., "Group I introns as mobile genetic elements: 91-114 (1989)	facts and mechanistic specul	ationsa review", Gene 82:		
	Espinosa, M., del Solar, G., Rojo, F., Alonso, J.C., "Plas Microbiol Lett 130: 111-120 (1995)	mid rolling circle replication	and its control", FEMS		
	Fekete, R.A., Frost, L.S., "Mobilization of chimeric oriT plasmids by F and R100-1: role of relaxosome formation in defining plasmid specificity", <i>J Bacteriol</i> 182: 4022-4027 (2000)				
	Finlay, B.B., Frost, L.S., Paranchych, W., "Origin of trantype II oriT, traM, and traY alleles from ColB4-K98 and 132-139 (1986)				
V	Firth, N., Ippen-Ihler, K., Skurray, R.A., "Structure and In: Neidhardt, F (ed), Hischerichia coli and Salmonella, (1995)				
EXAMINER	DATE	CONSIDERED -			

SERIAL NO. ATTY. DOCKET NO. INFORMATION DISCLOSURE CITATION 10/516,779 4810-69922-01 Form PTO-1449 (Modified) (Use several sheets if necessary) **APPLICANT** ROZWADOWSKI, Kevin, L. et al. **FILING DATE GROUP** 1651 3 December 2004 Fluit, A.C., Baas, P.D., Jansz, H.S., "The complete 30-base-pair origin region of bacteriophage phi X174 in a plasmid is both required and sufficient for in vivo rolling-circle DNA replication and packaging", Eur J Biochem 149: 579-584 (1985) Fluit, A.C., Baas, P.D., Van Boom, J.H., Veeneman, G.H., Jansz, H.S., "Gene A protein cleavage of recombinant plasmids containing the phi X174 replication origin", Nucleic Acids Res 12: 6443-6454 (1984) Fontes, E.P., Eagle, P.A., Sipe, P.S., Luckow, V.A., Hanley-Bowdoin, L., "Interaction between a geminivirus replication protein and origin DNA is essential for viral replication", J Biol Chem 269: 8459-8465 (1994) Furste, J.P., Pansegrau, W., Ziegelin, G., Kroger, M., Lanka, E., "Conjugative transfer of promiscuous IncP plasmids: interaction of plasmid-encoded products with the transfer origin", Proc Natl Acad Sci U.S.A. 86: 1771-1775 (1989) Furuichi et al., "Branched RNA Covalently Linked to the 5' End of a Single-Stranded DNA in Stigmatella aurantiaca: Structure of msDNA," Cell 48: 47-52 (1987) Furuichi et al., "Biosynthesis and Structure of Stable Branched RNA Covalently Linked to the 5' End of Multicopy Single-Stranded DNA of Stimatella aurantiaca," Cell 48: 55-62 (1987) Furukawa, K., Hayashida, S., Taira, K., "Gene-specific transposon mutagenesis of the biphenyl/polychlorinated biphenyl-degradation-controlling bph operon in soil bacteria", Gene 98: 21-28 (1991) Furuya, N., Nisioka, T., Komano, T., "Nucleotide sequence and functions of the oriT operon in Incl1 plasmid R64", J Bacteriol 173: 2231-2237 (1991) Gallego, M.E., Sirand-Pugnet, P., White, C.I., "Positive-negative selection and T-DNA stability in Arabidopsis transformation", Plant Mol Biol 39: 83-93 (1999) Galli, A., Schiestl, R.H., "Effects of DNA double-strand and single-strand breaks on intrachromosomal recombination events in cell-cycle-arrested yeast cells", Genetics 149: 1235-1250 (1998) Gamper, H.B., Jr., Cole-Strauss, A., Metz, R., Parekh, H., Kumar, R., Kmiec, E.B., "A plausible mechanism for gene correction by chimeric oligonucleotides", Biochemistry 39: 5808-5816 (2000) Gari, E., Piedrafita, L., Aldea, M., Herrero, E., "A set of vectors with a tetracycline-regulatable promoter system for modulated gene expression in Saccharomyces cerevisiae", Yeast 13: 837-848 (1997) Gasser, C.S., Fraley, R.T., "Genetically engineering plants for crop improvement", Science 244: 1293 (1989) Gatz, C., "Chemical Control of Gene Expression," Ann. Rev. Plant Physiol. Plant Mol. Biol. 48: 89-108 (1997). Gatz, C., Kaiser, A., Wendenburg, R., "Regulation of a modified CaMV 35S promoter by the Tn10-encoded Tet repressor in transgenic tobacco", Mol. Gen. Genet. 227: 229-237 (1991) Gatz, C., Lenk, I.R.P., "Promoters that respond to chemical inducers," Trends Plant Sci. 3: 352-358 (1998) Gheysen, G., Villarroel, R., Van Montagu, M., "Illegitimate recombination in plants: a model for T-DNA integration", Genes Dev. 5: 287-297 (1991) Gielow, A., Diederich, L., Messer, W., "Characterization of a phage-plasmid hybrid (phasyl) with two independent origins of replication isolated from Escherichia coli", J Bacteriol 173: 73-79 (1991) Gietz, R.D., Schiestl, R.H., Willems, A.R., Woods, R.A., "Studies on the transformation of intact yeast cells by the LiAc/SS-DNA/PEG procedure", Yeast 11: 355-360 (1995) Gietz, R.D., Sugino, A., "New yeast-Escherichia coli shuttle vectors constructed with in vitro mutagenized yeast genes lacking six-base pair restriction sites", Gene 74: 527-534 (1988) Godson, G.N., Barrell B.G., Staden, R., Fiddes, J.C., "Nucleotide sequence of bacteriophage G4 DNA", Nature

EXAMINER

276:**/**236-247 (1978)

DATE CONSIDERED

INFORMATION DISCLOSURE CITATION Form PTO-1449 (Modified)	ATTY. DOCKET NO. 4810-69922-01	SERIAL NO. 10/516,779			
(Use several sheets if necessary)	APPLICANT ROZWADOWSKI, Kevin, L. et al.				
	FILING DATE 3 December 2004	GROUP 1651			
Goetz, G.S., Hurwitz, J., "Studies on the role of the phi > Replication of DNA containing an alteration in position J Biol Chem 263: 16421-16432 (1988)					
Goetz, G.S., Hurwitz, J., "Studies on the role of the phi X Replication of DNA containing two viral replication orig					
Goetz, G.S., Schmidt-Glenewinkel, T., Hu, M.H., Belgad gene A protein in phi X viral strand synthesis. II. Effects icosahedral bacteriophage origin", <i>J Biol Chem</i> 263: 164	of DNA replication of muta				
Goldfarb, D.S., Gariepy, J., Schoolnik, G., Kornberg, R.I. Nature 322: 641-644 (1986)	D., "Synthetic peptides as nu	uclear localization signals",			
Grandoso, G., Avila, P., Cayon, A., Hernando, M.A., Llo protein TrwC act sequentially at the origin of transfer dur 1163-1172 (2000)					
	Grandoso, G., Llosa, M., Zabala, J.C., de la, C.F., "Purification and biochemical characterization of TrwC, the helicase involved in plasmid R388 conjugal DNA transfer", Eur J Biochem 226: 403-412 (1994)				
Greenstein, D., Horiuchi, K., "Double-strand cleavage an filamentous phage f1", J Biol Chem 264: 12627-12632 (1		ication initiator protein of			
Gros, M.F., Te, R.H., Ehrlich, S.D., "Replication origin of 8: 2711-2716 (1989)	of a single-stranded DNA pl	asmid pC194", EMBO J			
Gros, M.F., Te, R.H., Ehrlich, S.D., "Rolling circle replic 6: 3863-3869 (1987)	cation of single-stranded DN	IA plasmid pC194", EMBO J			
Gruss, A., Ehrlich, S.D., "The family of highly interrelated Microbiol Rev 53: 231-241 (1989)	ed single-stranded deoxyribe	onucleic acid plasmids",			
Guyer, D., Tuttle, A., Rouse, S., Volrath, S., Johnson, M. "Activation of latent transgenes in Arabidopsis using a hy					
Haber, J.E., "DNA recombination: the replication connec	ction", Trends Biochem.Sci.	24: 271-275 (1999)			
Habu, T., Taki, T., West, A., Nishimune, Y., Morita, T., 'meiosis-specific homologous recombination gene, have a meiosis", Nucleic Acids Res. 24: 470-477 (1996)		, ,			
Hafner, G.J., Stafford, M.R., Wolter, L.C., Harding, R.M. bunchy top virus replication protein in vitro", J Gen Virol		oining activity of banana			
Hanai, R., Wang, J.C., "The mechanism of sequence-spectary A* protein", J Biol Chem 268: 23830-23836 (1993)	cific DNA cleavage and stra	nd transfer by phi X174 gene			
Harding, R.M., Burns, T.M., Hafner, G., Dietzgen, R.G., banana bunchy top virus genome contains a putative repli	-	•			
Haren, L., Ton-Hoang, B., Chandler, M., "Integrating DN Microbiol 53: 245-281 (1999)	NA: transposases and retrovi	ral integrases". Annu.Rev			
Harris, P., Navarro Poulsen, J.C., Jensen, K.F., Larsen, S. proficient enzyme: orotidine 5'-monophosphate decarbox		•			
Harth, G., Baumel, I., Meyer, T.F., Geider, K., "Bacterior strands replicated by phage T7 enzymes", Eur J Biochem		cessing of phage fd viral			
EXAMINER DATE	CONSIDERED -	colf R			

		4810-69922-01	10/516,779		
Form PTO-1449 (Modified) (Use several sheets if necessary)		APPLICANT ROZWADOWS	SKI, Kevin, L. et al.		
		FILING DATE 3 December 2004	GROUP 1651		
Hartung, F., Puchta, H., "Molecular thaliana", Nucleic Acids Res. 28: 154		wo paralogous SPO11 homo	ologues in Arabidopsis		
Hayashi, M., Aoyama, A., Richardso Calendar, R (ed), The Bacteriophage			riophage phiX174", In:		
Heidekamp, F., Baas, P.D., Jansz, H. replicative form I DNAs of bacterion	· ·				
Hendrickson, E.A., "Cell-cycle regul 795-800 (1997)	lation of mammalia	n DNA double-strand-break	repair", Am.J.Hum.Genet. 61:		
Henikoff and Henikoff, "Amino acid 10915-10919 (1992)	substitution matric	es from protein blocks," Pro	oc. Natl. Acad. Sci. USA 89:		
Herzer, P.J., Inouye, S., Inouye, M., palindromic 34bp intergenic sequence			coli genome by replacing a		
Heslip, T.R., Hodgetts, R.B., "Targe 138: 1127-1135 (1994)	Heslip, T.R., Hodgetts, R.B., "Targeted transposition at the vestigial locus of Drosophila melanogaster", Gener				
	Heyraud-Nitschke, F., Schumacher, S., Laufs, J., Schaefer, S., Schell, J., Gronenborn, B., "Determination of the origin cleavage and joining domain of geminivirus Rep proteins", Nucleic Acids Res 23: 910-916 (1995)				
	Higashitani, A., Greenstein, D., Hirokawa, H., Asano, S., Horiuchi, K., "Multiple DNA conformational changes induced by an initiator protein precede the nicking reaction in a rolling circle replication origin", <i>J Mol Biol</i> 237 388-400 (1994)				
Higashitani, A., Greenstein, D., Hori requirement of a replication initiator	• • •		-		
Hoffmann, G.R., "Induction of genet 23 Suppl 24: 59-66 (1994)	tic recombination: c	onsequences and model syst	ems", Environ. Mol Mutagen.		
Hopfner, K.P., Putnam, C.D., Tainer Biol. 12: 115-122 (2002)	, J.A., "DNA double	e-strand break repair from he	ead to tail", Curr. Opin. Struct		
Hopp, T., Prickett, S., Price, V., Libb marker sequence useful for recombin (1988)		•			
Horvath, G.V., Pettko-Szandtner, A., Dudits, D., "Prediction of functional protein interaction analysis", <i>Plant M</i>	regions of the maize	e streak virus replication-ass	, ,		
Huang, S., An, Y.Q., McDowell, J.M. actin gene subclass is strongly express	• • • • • • • • • • • • • • • • • • • •	•	•		
Huang, S., An, Y.Q., McDowell, J.M. strongly expressed in tissues of the end			-		
Huntley, R., Healy, S., Freeman, D., M., Xie, Q., Bannister, A.J., Kouzari protein homologue ZmRb-1 is regulators and plant/cyclin D (CycD)	des, T., Gutierrez, Cated during leaf deve	C., Doonan, J.H., Murray, J.A. clopment and displays conse	A., "The maize retinoblastoma		
Hundey, R.P., Murdy, J.A., "The pla	ant cell cycle", Curr	:.Opin.Plant Biol 2: 440-446	(1999)		

INFORMATION DISCLOSURE CITATION Form PTO-1449 (Modified)		ATTY. DOCKET NO. 4810-69922-01	SERIAL NO. 10/516,779		
	(Use several sheets if necessary)	APPLICANT ROZWADOWSKI, Kevin, L. et al.			
		FILING DATE 3 December 2004	GROUP 1651		
LOL	Ilyina, T.V., Koonin, E.V., "Conserved sequence motifs encoded by diverse replicons from eubacteria, eucaryote (1992)				
	lm, D.S., Muzyczka, N., "The AAV origin binding prote with DNA helicase activity", Cell 61: 447-457 (1990)	ein Rep68 is an ATP-depend	ent site-specific endonuclease		
	Inouye, M., Inouye, S., "Retrons and multicopy single-st	tranded DNA", J. Bacteriol.	174: 2419-2424 (1992)		
	Inouye, M., Mao, J.R., Shimamoto, T., Inouye, S., "In visequences: application to antisense DNA", Ciba Found.				
	Jacobs, M., Dolferus, R., Van den, B.D., "Isolation and I alcohol dehydrogenase null mutants of arabidopsis thalia	ana (L.) Heynh", Biochem G	enet 26: 105-122 (1988)		
	Jasin, M., Berg, P., "Homologous integration in mammalian cells without target gene selection", Genes Dev. 2 1353-1363 (1988)				
	Jin, Y., Binkowski, G., Simon, L.D., Norris, D., "Ho endonuclease cleaves MAT DNA in vitro by an ineffici stoichiometric reaction mechanism", <i>J Biol Chem</i> 272: 7352-7359 (1997)				
	Jupin, I., Hericourt, F., Benz, B., Gronenborn, B., "DNA replication specificity of TYLCV geminivirus is medi by the amino-terminal 116 amino acids of the Rep protein", FEBS Lett 362: 116-120 (1995)				
	Kaeppler, S.M., Kaeppler, H.F., Rhee, Y., "Epigenetic aspects of somaclonal variation in plants", Plant Mol Biol 43: 179-188 (2000)				
	Kakimoto, T., "CKII, a Histidine Kinase Homolog Implicated in Cytokinin Signal Transduction," Science 274, 982-985 (1996)				
	Kalderon, D., Roberts, B.L., Richardson, W.D., Smith, A.E. "A short amino acid sequence able to specify nucle location", Cell 39: 499-509 (1984)				
	Buerstedde, J.M., Clever, B., Heyer, W.D., Hoeijmakers,	emakers, S.M., Essers, J., Smit, B., Franssen, J.H., Pastink, A., Bezzubova, O.Y., eyer, W.D., Hoeijmakers, J.H., "Human and mouse homologs of the DS4 DNA repair gene: evidence for functional conservation", Curr. Biol. 6: 828-838			
	Keeney, S., Baudat, F., Angeles, M., Zhou, Z.H., Copeland, N.G., Jenkins, N.A., Manova, K., Jasin, M., "A monolog of the Saccharomyces cerevisiae meiotic recombination DNA transesterase Spo11p", Genomics 61: 1 182 (1999)				
	Keeney, S., Giroux, C.N., Kleckner, N., "Meiosis-specifimember of a widely conserved protein family", Cell 88:		s are catalyzed by Spoll, a		
	Kleckner, N., "Meiosis: how could it work?", Proc. Natl.	Acad. Sci.U.S.A 93: 8167-8	174 (1996)		
	Klein, T.M., Harper, E.C., Svab, Z., Sanford, J.C., Fromintact Nicotiana cells by the particle bombardment process				
	Kleiner, D., Paul, W., Merrick, M.J., "Construction of most of proteins in Klebsiella pneumoniae and other enteric ba	ulticopy expression vectors facteria", <i>J Gen Microbiol</i> 13	for regulated over-production 4: 1779-1784 (1988)		
	Klimyuk, V.I., Jones, J.D., "AtDMC1, the Arabidopsis hotransposon-induced allelic variation and meiosis-associate	ed expression", Plant J. 11:	1-14 (1997)		
	Kobayashi, T., Hotta, Y., Tabata, S., "Isolation and charameiosis-specific cDNA from a plant", Mol. Gen. Genet.	cterization of a yeast gene the 237: 225-232 (1993)	nat is homologous with a		
	, , ,				

INFORMATION DISCLOSURE CITATION Form PTO-1449 (Modified)	ATTY. DOCKET NO. 4810-69922-01	SERIAL NO. 10/516,779			
(Use several sheets if necessary)	APPLICANT				
	ROZWADOWS	KI, Kevin, L. et al.			
	FILING DATE 3 December 2004	GROUP 1651			
Kobayashi, T., Kobayashi, E., Sato, S., Hotta, Y., Miyaji cDNAs induced in meiotic prophase in lily microsporocy	ma, N., Tanaka, A., Tabata, ytes", <i>DNA Res</i> . 1: 15-26 (19	S., "Characterization of 994)			
Koepsel, R.R., Murray, R.W., Rosenblum, W.D., Khan, has sequence-specific endonuclease and topoisomerase-1 (1985)					
Koncz, C., Schell, J., "The promoter of TL-DNA gene 5 carried by a novel type of Agrobacterium binary vector",					
Kowalczykowski, S.C., Dixon, D.A., Eggleston, A.K., La homologous recombination in Escherichia coli", Microbi					
Kowalski, D., Eddy, M.J., "The DNA unwinding elemen the Escherichia coli replication origin", EMBO J 8: 4335	_	nent that facilitates opening of			
Krens, F.A., Molendijk, L., Wullems, G.J., Schilperoort, plasmid DNA", Nature 296: 72 (1982)	R.A., "In vitro transformati	on of plant protoplasts with Ti-			
Labow, M.A., Baim, S.B., Shenk, T., Levine, A.J., "Con- transcriptional activator for mammalian cells", Mol. Cell		into an allosterically regulated			
Lai, L.W., Lien, Y.H., "Homologous recombination base	ed gene therapy", Exp Nephr	ol. 7: 11-14 (1999)			
	Lampson et al., "Reverse Transcriptase in a Clinical Strain of Escherichia coli: Production of Branched RNA-				
Lanzov, V.A., "Gene targeting for gene therapy: prospec	Lanzov, V.A., "Gene targeting for gene therapy: prospects", Mol. Genet. Metab 68: 276-282 (1999)				
	Laufs, J., Jupin, I., David, C., Schumacher, S., Heyraud-Nitschke, F., Gronenborn, B., "Geminivirus replication: genetic and biochemical characterization of Rep protein function, a review", <i>Biochimie</i> 77: 765-773 (1995)				
Laufs, J., Schumacher, S., Geisler, N., Jupin, I., Gronenbergeminivirus Rep protein", FEBS Lett 377: 258-262 (1995)		e nicking tyrosine of			
Laufs, J., Traut, W., Heyraud, F., Matzeit, V., Rogers, S. joining at the viral origin of replication by the replication Natl Acad Sci U.S.A. 92: 3879-3883 (1995)	G., Schell, J., Gronenborn, E initiator protein of tomato y	3., "In vitro cleavage and rellow leaf curl virus", Proc			
Lazarowitz, S.G., Wu, L.C., Rogers, S.G., Elmer, J.S., "S identifies a geminivirus DNA replication origin", Plant C		with the viral AL1 protein			
Lea, D., Coulson, C., "The distribution of the numbers of (1948)	mutants in bacterial popula	tions", J. Genet. 49: 264-285			
Leanna, C.A., Hannink, M., "The reverse two-hybrid syst protein/protein interactions", Nucleic Acids Res 24: 3341-		lection against specific			
Lebkowski, J.S., DuBridge, R.B., Antell, E.A., Greisen, k monkey, mouse, and human cells", Mol Cell Biol 4: 1951	K.S., Calos, M.P., "Transfec -1960 (1984)	ted DNA is mutated in			
Lee, E.C., Yu, D., Martinez, D.V., Tessarollo, L., Swing, highly efficient Escherichia coli-based chromosome engit subcloning of BAC DNA", Genomics 73: 56-65 (2001)	neering system adapted for r	ecombinogenic targeting and			
Lessl, M., Lanka, E., "Common mechanisms in bacterial cells", Cell 77: 321-324 (1994)	conjugation and Ti-mediated	d T-DNA transfer to plant			
Lewis, L.K., Resnick, M.A., "Tying up loose ends: nonho Metat. Res. 451: 71-89 (2000)	omologous end-joining in Sa	ccharomyces cerevisiae",			
EXAMINER DATE	CONSIDERED /	. /N			

IN	Form PTO-1449 (Modified)	ATTY. DOCKET NO. 4810-69922-01	SERIAL NO. 10/516,779		
	(Use several sheets if necessary)	APPLICANT ROZWADOWS	SKI, Kevin, L. et al.		
		FILING DATE 3 December 2004	GROUP 1651		
COX	Lim, D., Maas, W.K., "Reverse transcriptase-dependent compound in E. coli B", Cell 56: 891-904 (1989)	synthesis of a covalently lin	ked, branched DNA-RNA		
	Lin, F.L., Sperle, K., Sternberg, N., "Recombination in rhomologous chromosomal sequences", <i>Proc Natl Acad S</i>				
	Lin, N.S., Pratt, D., "Role of bacteriophage M13 gene 2	in viral DNA replication", J	Mol Biol 72: 37-49 (1972)		
	Lin, S., Kowalski, D., "DNA helical instability facilitates 496-507 (1994)	s initiation at the SV40 repli	cation origin", J Mol Biol 235		
	Link, A.J., Olson, M.V., "Physical map of the Saccharon Genetics 127: 681-698 (1991)	nyces cerevisiae genome at	110-kilobase resolution",		
	Llosa, M., Grandoso, G., Hernando, M.A., de la, C.F., "I dissected DNA strand transferase and DNA helicase acti (1996)				
	Liu, L., Saunders, K., Thomas, C.L., Davies, J.W., Stank to maize retinoblastoma protein, and the virus tolerates n 270-279 (1999)				
	Llosa, M., Bolland, S., de la, C.F., "Structural and functi broad-host-range IncW plasmid R388 and comparison w 473-483 (1991)				
	Llosa, M., Grandoso, G., de la, C.F., "Nicking activity of plasmid R388", J Mol Biol 246: 54-62 (1995)	f TrwC directed against the	origin of transfer of the IncW		
	Ludlow, J.W., "Interactions between SV40 large-tumor a FASEB J 7: 866-871 (1993)	antigen and the growth supp	ressor proteins pRB and p53",		
	Maes, T., De Keukeleire, P., Gerats, T., "Plant tagnology	i", Trends Plant Sci 4: 90-96	(1999)		
	Mahillon, J., Chandler, M., "Insertion sequences", Micro	biol Mol Biol Rev 62: 725-7	74 (1998)		
	Malik, K., Wu, K., Li, X.Q., Martin-Heller, T., Hu, M., Foster, E., Tian, L., Wang, C., Ward, K., Jordan, M., Brown, D., Gleddie, S., Simmonds, D., Zheng, S., Simmonds, J., Miki, B., "A constitutive gene expression systemetrived from the tCUP cryptic promoter elements", <i>Theor.Appl.Genet.</i> 105: 505-514 (2002)				
	Mandel, T., Fleming, A.J., Krahenbuhl, R., Kuhlemeier, the translation initiation factor 4A gene as a model", Plan	•			
	Mankertz, A., Mankertz, J., Wolf, K., Buhk, H.J., "Identicircovirus", J Gen Virol 79: 381-384 (1998)	ification of a protein essentia	al for replication of porcine		
	Mankertz, A., Persson, F., Mankertz, J., Blaess, G., Buhk DNA replication of porcine circovirus", <i>J Virol</i> 71: 2562		terization of the origin of		
	Mao, J.R., Shimada, M., Inouye, S., Inouye, M., "Gene re J. Biol. Chem. 270: 19684-19687 (1995)	egulation by antisense DNA	produced in vivo",		
	Marsischky, G.T., Filosi, N., Kane, M.F., Kolodner, R., "MSH6 in MSH2-dependent mismatch repair", Genes De	•	ces cerevisiae MSH3 and		
	Martinez, A., Sparks, C., Hart, C.A., Thompson, J., Jepso transgenic tobacco plants", <i>Plant J.</i> 19: 97-106 (1999)	on, I., "Ecdysone agonist ind	ucible transcription in		
	Masai, H., Arai, K., "Mechanisms of primer RNA synthe Escherichia coli", Biodhimie 78: 1109-1117 (1996)	sis and D-loop/R-loop-depe	ndent DNA replication in		
EVAMINED		CONSIDERED			

ATTY. DOCKET NO. SERIAL NO. INFORMATION DISCLOSURE CITATION 4810-69922-01 10/516,779 Form PTO-1449 (Modified) (Use several sheets if necessary) **APPLICANT** ROZWADOWSKI, Kevin, L. et al. **FILING DATE GROUP** 1651 3 December 2004 Mathews, D.H., Sabina, J., Zuker, M., Turner, D.H., "Expanded sequence dependence of thermodynamic M parameters improves prediction of RNA secondary structure", J Mol. Biol. 288: 911-940 (1999) Matson, S.W., Morton, B.S., "Escherichia coli DNA helicase I catalyzes a", J Biol Chem 266: 16232-16237 (1991) Matson, S.W., Nelson, W.C., Morton, B.S., "Characterization of the reaction product of the oriT nicking reaction catalyzed by Escherichia coli DNA helicase I", J Bacteriol 175: 2599-2606 (1993) McDowell, J.M., An, Y.Q., Huang, S., McKinney, E.C., Meagher, R.B., "The arabidopsis ACT7 actin gene is expressed in rapidly developing tissues and responds to several external stimuli", Plant Physiol 111: 699-711 (1996)Mead, D.A., Szczesna-Skorupa, E., Kemper, B., "Single-stranded DNA 'blue' T7 promoter plasmids: a versatile tandem promoter system for cloning and protein engineering", Protein Eng 1: 67-74 (1986) Meehan, B.M., Creelan, J.L., McNulty, M.S., Todd, D., "Sequence of porcine circovirus DNA: affinities with plant circoviruses", J Gen Virol 78: 221-227 (1997) Merrill, G.F., "Cell synchronization", Methods Cell Biol 57: 229-249 (1998) Messing, J., Crea, R., Seeburg, P.H., "A system for shotgun DNA sequencing", Nucleic Acids Res 9: 309-321 (1981)Mett, V.L., Lochhead, L.P., Reynolds, P.H., "Copper-controllable gene expression system for whole plants", Proc. Natl. Acad. Sci. U.S.A 90: 4567-4571 (1993) Mett, V.L., Podivinsky, E., Tennant, A.M., Lochhead, L.P., Jones, W.T., Reynolds, P.H., "A system for tissuespecific copper-controllable gene expression in transgenic plants: nodule-specific antisense of aspartate aminotransferase-P2", Transgenic Res. 5: 105-113 (1996) Meyer, P., Saedler, H., "Homology-dependent gene silencing in plants", Annu. Rev. Plant Physiol. Plant Mol. Biol. 47: 23-48. 1996 Meyer, T.F., Geider, K., "Enzymatic synthesis of bacteriophage fd viral DNA", Nature 296: 828-832 (1982) Meyer, T.F., Geider, K., "Cloning of bacteriophage fd gene 2 and construction of a plasmid dependent on fd gene 2 protein", Proc Natl Acad Sci U.S.A. 78: 5416-5420 (1981) Miao, Z.H., Lam, E., "Targeted disruption of the TGA3 locus in Arabidopsis thaliana", Plant J. 7: 359-365 (1995) Michel, B., "Replication fork arrest and DNA recombination", Trends Biochem Sci 25: 173-178 (2000) Miki and Iyer, "Fundamentals of Gene Transfer in Plants", In: Plant Metabolism, 2d Ed. D.T. Dennis, D.H. Turpin, D.D. Lefebrve, D.B. Layzell (eds), Addison Wesly, Langmans Ltd. London, pp. 561-579 (1997) Milne, G.T., Weaver, D.T., "Dominant negative alleles of RAD52 reveal a DNA repair/recombination complex including Rad51 and Rad52", Genes Dev. 7: 1755-1765 (1993) Mirochnitchenko, O., Inouye, S., Inouye, M., "Production of single-stranded DNA in mammalian cells by means of a bacterial retron", J. Biol. Chem. 269: 2380-2383 (1994) Miyata, S., Ohshima, A., Inouye, S., Inouye, M., "In vivo production of a stable single-stranded cDNA in Saccharomyces cerevisiae by means of a bacterial retron", Proc. Natl. Acad. Sci. U.S.A 89: 5735-5739 (1992) Mlynarova, L., Keizer, L.C.P., Stiekema, W.J., Nap, J.P., "Approaching the lower limits of transgene variability", Plant Cell 8: 1589-1599 (1996) Model, P., Russel, M., "Filamentous Bacteriophage", In: Calendar, R. (ed), The Bacteriophages, pp. 375-456, Plenum Press, New York (1988) Mol, J.N., van der Krol, A.R., van Tunen, A.J., van Blokland, R., de Lange, P., Stuitje, A.R., "Regulation of plant gene expression by antisense RNA", FEBS Lett 268: 427-430 (1990)

EXAMINER DATE CONSIDERED

INFORMATION DISCLOSURE CITATION Form PTO-1449 (Modified)		ATTY. DOCKET NO.	SERIAL NO.		
		4810-69922-01	10/516,779		
	(Use several sheets if necessary)	APPLICANT ROZWADOWSKI, Kevin, L. et al.			
		FILING DATE	GROUP		
		3 December 2004	1651		
001	Moncalian, G., Cabezon, E., Alkorta, I., Valle, M., Morce Characterization of ATP and DNA hinding activities of	o, F., Valpuesta, J.M., Goni,	F.M., de la, C.F.,		
CX	"Characterization of ATP and DNA binding activities of TrwB, the coupling protein essential in plasmid R388 conjugation", J Biol Chem 274: 36117-36124 (1999)				
	Moncalian, G., Grandoso, G., Llosa, M., de la, C.F., "oriT-processing and regulatory roles of TrwA protein in plasmid R388 conjugation", J Mol Biol 270: 188-200 (1997)				
	Moore, I., Galweiler, L., Grosskopf, D., Schell, J., Palme, K., "A transcription activation system for regulated gene expression in transgenic plants", <i>Proc. Natl. Acad. Sci. U.S.A.</i> 95: 376-381 (1998)				
	Moran, E., "Mammalian cell growth controls reflected through protein interactions withthe adenovirus E1A gene products", Semin. Virol. 5: 327-340 (1994)				
	Morel-Deville, F., Ehrlich, S.D., "Theta-type DNA replication stimulates homologous recombination in the Bacillus subtilis chromosome", Mol Microbiol 19: 587-598 (1996)				
	Muris, D.F., Bezzubova, O., Buerstedde, J.M., Vreeken, K., Balajee, A.S., Osgood, C.J., Troelstra, C., Hoeijmakers, J.H., Ostermann, K., Schmidt, H., "Cloning of human and mouse genes homologous to RAD52, a yeast gene involved in DNA repair and recombination", <i>Mutat.Res.</i> 315: 295-305 (1994)				
	Murphy, C.G., Malamy, M.H., "Characterization of a "mobilization cassette" in transposon Tn4399 from Bacteroides fragilis", J Bacteriol 175: 5814-5823 (1993)				
	Murphy, C.G., Malamy, M.H., "Requirements for strand- and sitespecific cleavage within oriT region of Tn4399, a mobilizing transposon from Bacteroides fragilis", J Bacteriol 177: 3158-3165 (1995)				
	Murray, R.W., Koepsel, R.R., Khan, S.A., "Synthesis of single-stranded plasmid pT181 DNA in vitro. Initiation and termination of DNA replication", J Biol Chem 264: 1051-1057 (1989)				
	Muyrers, J.P., Zhang, Y., Buchholz, F., Stewart, A.F., "RecE/RecT and Redalpha/Redbeta initiate double-stranded break repair by specifically interacting with their respective partners", Genes Dev. 14: 1971-1982 (2000)				
	Natale, D.A., Schubert, A.E., Kowalski, D., "DNA helical stability accounts for mutational defects in a yeast replication origin", <i>Proc Natl Acad Sci U.S.A.</i> 89: 2654-2658 (1992)				
	Natale, D.A., Umek, R.M., Kowalski, D., "Ease of DNA unwinding is a conserved property of yeast replication origins", Nucleic Acids Res 21: 555-560 (1993)				
	Navot, N., Pichersky, E., Zeidan, M., Zamir, D., Czosnek, H., "Tomato yellow leaf curl virus: a whitefly-transmitted geminivirus with a single genomic component", Virology 185: 151-161 (1991)				
·	Needleman and Wunsch, "A general method applicable to the search for similarities in the amino acid sequence of two proteins," J. Mol. Biol. 48:443 (1970)				
	Negritto, M.T., Wu, X., Kuo, T., Chu, S., Bailis, A.M., "Influence of DNA sequence identity on efficiency of targeted gene replacement", Mol Cell Biol 17: 278-286 (1997)				
	Nelson, M., Silver, P., "Context affects nuclear protein lo 9: 384-389 (1989)	ocalization in Saccharomyce	s cerevisiae", Mol. Cell Biol.		
	Nicolas, A.L., Munz, P.L., Falck-Pedersen, E., Young, C.S., "Creation and repair of specific DNA double-strand breaks in vivo following infection with adenovirus vectors expressing Saccharomyces cerevisiae HO endonuclease", Virology 266: 211-224 (2000)				
	1	Nishikawa, M., Suzuki, K., Yoshida, K., "Structural and functional stability of IncP plasmids during stepwise transmission by trans-kingdom mating: promiscuous conjugation of Escherichia coli and Saccharomyces cerevisiae", Jpn. J Genet 65: 323-334 (1990)			
A	Noiret-Gros, M.F., Bidnenko, V., Ehrlich, S.D., "Active site of the replication protein of the rolling circle plasmid pC194", EMBO J 13: 4412-4420 (1994)				
EXAMINER DATE CONSIDERED \$/16/9					
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in					
conformance and not considered. Include copy of this form with next communication to applicant.					

INFORMATION DISCLOSURE CITATION Form PTO-1449 (Modified)		ATTY. DOCKET NO. 4810-69922-01	SERIAL NO. 10/516,779			
	(Use several sheets if necessary)	APPLICANT ROZWADOWS	APPLICANT ROZWADOWSKI, Kevin, L. et al.			
		FILING DATE 3 December 2004	GROUP 1651			
	Norgren, M., Caparon, M.G., Scott, J.R., "A methor Tn916: deletion of the emm6.1 allele in Streptococo	d for allelic replacement that use cus pyogenes JRS4", Infect. Imm	es the conjugative transposon un. 57: 3846-3850 (1989)			
		Novick, R.P., "Contrasting lifestyles of rolling-circle phages and plasmids", Trends Biochem Sci 23: 434-438				
	for nicking and covalent attachment to the viral orig					
	Ochman, H., Selander, R.K., "Standard reference strains of Escherichia coli from natural populations", J. Bacteriol. 157: 690-693 (1984)					
	Odell, J.T., Nagy, F., Chua, N.H., "Identification of DNA sequences required for activity of the cauliflower mosaid virus 35S promoter", Nature 313: 810-812 (1985)					
<u> </u>	Offringa, R., De Groot, M.J., Haagsman, H.J., Does, M.P., van den Elzen, P.J., Hooykaas, P.J., "Extrachromosomal homologous recombination and gene targeting in plant cells after Agrobacterium mediated transformation", EMBO J. 9: 3077-3084 (1990)					
	Offringa, R., Franke-van Dijk, M.E., De Groot, M.J., van den Elzen, P.J., Hooykaas, P.J., "Nonreciprocal homologous recombination between Agrobacterium transferred DNA and a plant chromosomal locus", <i>Proc. Natl. Acad. Sci. U.S.A.</i> 90: 7346-7350 (1993)					
	Orozco, B.M., Hanley-Bowdoin, L., "Conserved sequence and structural motifs contribute to the DNA binding and cleavage activities of a geminivirus replication protein", <i>J Biol Chem</i> 273: 24448-24456 (1998)					
	Orozco, B.M., Kong, L.J., Batts, L.A., Elledge, S., Hanley-Bowdoin, L., "The multifunctional character of a geminivirus replication protein is reflected by its complex oligomerization properties", <i>J Biol Chem</i> 275: 6114-6122 (2000)					
	Orozco, B.M., Miller, A.B., Settlage, S.B., Hanley-Bowdoin, L., "Functional domains of a geminivirus replication protein", J Biol Chem 272: 9840-9846 (1997)					
	Orr-Weaver, T.L., Szostak, J.W., Rothstein, R.J., "Yeast transformation: a model system for the study of recombination", <i>Proc Natl Acad Sci U.S.A.</i> 78: 6354-6358 (1981)					
	Osley, M.A., "The regulation of histone synthesis in the cell cycle", Annu. Rev Biochem 60: 827-861 (1991)					
	Pansegrau, W., Lanka, E., "Enzymology of DNA transfer by conjugative mechanisms", Progress in Nucleic Acid Research and Molecular Biology 54: 197-251. (1996)					
1	Pansegrau, W., Lanka, E., "Mechanisms of initiation and termination reactions in conjugative DNA processing. Independence of tight substrate binding and catalytic activity of relaxase (Tral) of IncPalpha plasmid RP4", J Biol Chem 271: 13068-13076 (1996)					
	Pansegrau, W., Ziegelin, G., Lanka, E., "Covalent association of the tral gene product of plasmid RP4 with the 5'-terminal nucleotide at the relaxation nick site", J Biol Chem 265: 10637-10644 (1990)					
	Paques, F., Haber, J.E., "Multiple pathways of recombination induced by double-strand breaks in Saccharomyces cerevisiae", Microbiol. Mol. Biol. Rev. 63: 349-404 (1999)					
	Peach, C., Velten, J., "Transgene expression variability (position effect) of CAT and GUS reporter genes driven by linked divergent T-DNA promoters", Plant Mol Biol 17: 49-60 (1991)					
	Pearson and Lipman, "Improved tools for biological sequence comparison," Proc. Natl. Acad. Sci. USA 85: 2444 (1988)					
	Perucho, M., Hanahan, D., Wigler, M., "Genetic and physical linkage of exogenous sequences in transformed cells", Cell 22: 109-317 (1980)					
EXAMINER DATE CONSIDERED 5/19/06						
	EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					
_	with the communication to applicant.					

INFORMATION DISCLOSURE CITATION	ATTY. DOCKET NO. 4810-69922-01	SERIAL NO. 10/516,779			
Form PTO-1449 (Modified) (Use several sheets if necessary)	APPLICANT				
	ROZWADOWSKI, Kevin, L. et al.				
	FILING DATE 3 December 2004	GROUP 1651			
Pittman, D.L., Schimenti, J.C., "Recombination in the man (1998)	Pittman, D.L., Schimenti, J.C., "Recombination in the mammalian germ line", Curr. Top. Dev. Biol 37: 1-35				
	Puchta, H., Dujon, B., Hohn, B., "Homologous recombination in plant cells is enhanced by in vivo induction of double strand breaks into DNA by a site-specific endonuclease", Nucleic Acids Res 21: 5034-5040 (1993) Puchta, H., Hohn, B., "From centiMorgans to base pairs: homologous recombination in plants", Trends in Plant Science 1: 340-348 (1996)				
	Rajan, J.V., Wang, M., Marquis, S.T., Chodosh, L.A., "Brca2 is coordinately regulated with Brca1 during proliferation and differentiation in mammary epithelial cells", <i>Proc.Natl.Acad.Sci.U.S.A</i> 93: 13078-13083 (1996)				
	Rauth, S., Song, K.Y., Ayares, D., Wallace, L., Moore, P.D., Kucherlapati, R., "Transfection and homologous recombination involving single-stranded DNA substrates in mammalian cells and nuclear extracts", <i>Proc Natl Acad Sci U.S.A.</i> 83: 5587-5591 (1986)				
	Reichheld; J.P., Gigot, C., Chaubet-Gigot, N., "Multilevel regulation of histone gene expression during the cell cycle in tobacco cells", Nucleic Acids Res 26: 3255-3262 (1998)				
• • • • • • • • • • • • • • • • • • •	Reinberg, D., Zipursky, S.L., Weisbeek, P., Brown, D., Hurwitz, J., "Studies on the phi X174 gene A protein-mediated termination of leading strand DNA synthesis", <i>J Biol Chem</i> 258: 529-537 (1983)				
	Relic, B., Andjelkovic, M., Rossi, L., Nagamine, Y., Hohn, B., "Interaction of the DNA modifying proteins VirD1 and VirD2 of Agrobacterium tumefaciens: analysis by subcellular localization in mammalian cells", <i>Proc Natl Acad Sci U.S.A.</i> 95: 9105-9110 (1998)				
	Rigden, J.E., Dry, I.B., Krake, L.R., Rezaian, M.A., "Plant virus DNA replication processes in Agrobacterium: insight into the origins of geminiviruses?", <i>Proc Natl Acad Sci U.S.A.</i> 93: 10280-10284 (1996)				
- · · · · · · · · · · · · · · · · · · ·	Riou-Khamlichi, C., Menges, M., Healy, J.M., Murray, J.A., "Sugar control of the plant cell cycle: differential regulation of Arabidopsis D-type cyclin gene expression", Mol Cell Biol 20: 4513-4521 (2000)				
cockatoos with psittacine beak and feather disease", Viro	Ritchie, B.W., Niagro, F.D., Lukert, P.D., Steffens, W.L., III, Latimer, K.S., "Characterization of a new virus from cockatoos with psittacine beak and feather disease", Virology 171: 83-88 (1989)				
	Robbins et al., "Two interdependent basic domains in nucleoplasmin nuclear targeting sequence: identification of class of biapartite nuclear targeting sequence," Cell 64: 615-623 (1991)				
	Roeder, GS, "Meiotic chromosomes: it takes two to tango," Genes Dev. 11: 2600-2621 (1997)				
flexneri", J Bacteriol 161: 1233-1235 (1985)	Roessler, E., Fenwick, R.G., Jr., Chinault, A.C., "Analysis of mobilization elements in plasmids from Shigella flexneri", <i>J Bacteriol</i> 161: 1233-1235 (1985)				
	Rohde, W., Randles, J.W., Langridge, P., Hanold, D., "Nucleotide sequence of a circular single-stranded DNA associated with coconut foliar decay virus", Virology 176: 648-651 (1990)				
Rong, Y.S., Golic, K.G., "Gene targeting by homologous (2000)	Rong, Y.S., Golic, K.G., "Gene targeting by homologous recombination in drosophila", Science 288: 2013-2018 (2000)				
gene," Mol Gen Genet 193: 557-560 (1984)					
Ross-Macdonald, P., Roeder, G.S., "Mutation of a meios mismatch correction", Cell 79: 1069-1080 (1994)	Ross-Macdonald, P., Roeder, G.S., "Mutation of a meiosis-specific MutS homolog decreases crossing over but not mismatch correction", Cell 79: 1069-1080 (1994)				
(eds), Genetic Rcombination, p. 621, American Society for	Roth, D.B., Wilson, J.H., "Illegitimate recombination in mammalian cells", In: Kucherlapati, R. and Smith, G. (eds), Genetic Rcombination, p. 621, American Society for Microbiology, Washington, D.C. (1988)				
Rothstein, R., "Targeting, disruption, replacement, and allele rescue: integrative DNA transformation in yeast", Methods Enzymol. 194: 281-301 (1991)					
EXAMINER DATE CONSIDERED S/19/86					
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

ATTY. DOCKET NO. SERIAL NO. INFORMATION DISCLOSURE CITATION 10/516,779 4810-69922-01 Form PTO-1449 (Modified) (Use several sheets if necessary) **APPLICANT** ROZWADOWSKI, Kevin, L. et al. **FILING DATE** GROUP 3 December 2004 1651 Rozwadowski, K., Kreiser, T., Hasnadka, R., Lydiate, D., "AtMRE11: a component of meiotic recombination and DNA repair in plants", 10th International Conference on Arabidopsis Research, Melbourne, Australia, July 4-8, 1999 Russell, D., Bennet, G., "Construction and analysis of in vivo activity of E. coli promoter hybrids and promoter mutants that alter the -35 to -10 spacing", Gene 20:. 231-243. (1982) Salas, M., "Protein-priming of DNA replication", Annu. Rev. Biochem. 60:39-71 (1991) Salter, M.G. et al, "Characterization of the ethanol-inducible alc gene expression system for transgenic plants," Plant Journal 16: 127-132 (1998) Sandler, S.J., Marians, K.J., "Role of PriA in replication fork reactivation in Escherichia coli", J Bacteriol 182: 9-13 (2000) Sanger, F., Air, G.M., Barrell, B.G., Brown, N.L., Coulson, A.R., Fiddes, C.A., Hutchison, C.A., Slocombe, P.M., Smith, M., "Nucliotide sequence of bacteriophage phi X174 DNA", Nature 265: 687-695 (1977) Sanz-Burgos, A.P., Gutierrez, C., "Organization of the cis-acting element required for wheat dwarf geminivirus DNA replication and visualization of a rep protein-DNA complex", Virology 243: 119-129 (1998) Sathasivan, K., Haughn, G.W., Murai, N., "Nucleotide sequence of a mutant acetolactate synthase gene from an imidazolinone-resistant Arabidopsis thaliana var. Columbia", Nucleic Acids Res 18: 2188 (1990) Schaefer, D.G., Zryd, J.P., "Efficient gene targeting in the moss Physcomitrella patens", Plant J. 11: 1195-1206 (1997)Schalk, H.J., Matzeit, V., Schiller, B., Schell, J., Gronenborn, B., "Wheat dwarf virus, a geminivirus of graminaceous plants needs splicing for replication", EMBO J 8: 359-364 (1989) Scherzinger, E., Kruft, V., Otto, S., "Purification of the large mobilization protein of plasmid RSF1010 and characterization of its site-specific DNA-cleaving/DNA-joining activity", Eur J Biochem 217: 929-938 (1993) Scherzinger, E., Lurz, R., Otto, S., Dobrinski, B., "In vitro cleavage of do", Nucleic Acids Res 20: 41-48 (1992) Scherzinger, E., Ziegelin, G., Barcena, M., Carazo, J.M., Lurz, R., Lanka, E., "The RepA protein of plasmid RSF1010 is a replicative DNA helicase", J Biol Chem 272: 30228-30236 (1997) Schiestl, R.H., "Nonmutagenic carcinogens induce intrachromosomal recombination in yeast", Nature 337: 285-288 (1989) Schneider, J.C., Guarente, L., "Vectors for expression of cloned genes in yeast: regulation, overproduction, and underproduction", Methods Enzymol. 194: 373-388 (1991) Scholthof, H. et al., "Plant virus gene vectors for transient expression of foreign proteins in plants", Annu. Rev. of Phytopathol. 34: 299-323 (1996) Scott, J.R., Churchward, G.G., "Conjugative transposition", Annu. Rev Microbiol 49: 367-397 (1995) Scully, R., Puget, N., Vlasakova, K., "DNA polymerase stalling, sister chromatid recombination and the BRCA genes", Oncogene 19: 6176-6183 (2000) Shavitt, O., Livneh, Z., "Rolling-circle replication of UV-irradiated duplex DNA in the phi X174 replicative-form---single-strand replication system in vitro", J Bacteriol 171: 3530-3538 (1989) Shcherbakova, O.G., Lanzov, V.A., Ogawa, H., Filatov, M.V., "Overexpression of bacterial RecA protein stimulates homologous recombination in somatic mammalian cells", Mutat. Res. 459: 65-71 (2000) Sherman, J.A., Matson, S.W., "Escherichia coli DNA helicase I catalyzes a sequence-specific cleavage/ligation reaction at the F plasmid origin of transfer", J Biol Chem 269: 26220-26226 (1994)

EXAMINER

DATE CONSIDERED

ATTY, DOCKET NO. SERIAL NO. INFORMATION DISCLOSURE CITATION 4810-69922-01 10/516,779 Form PTO-1449 (Modified) (Use several sheets if necessary) APPLICANT ROZWADOWSKI, Kevin, L. et al. FILING DATE GROUP 1651 3 December 2004 Shillito, R.D., Saul, M.W., Paszkowski, J., Muller, M., Potrykus, I., "High efficiency direct gene transfer to plants", Bio/technology 3: 1099 (1985) Shinohara, A., Ogawa, H., Matsuda, Y., Ushio, N., Ikeo, K., Ogawa, T., "Cloning of human, mouse and fission yeast recombination genes homologous to RAD51 and recA [published erratum appears in Nat Genet 1993] Nov;5(3):312]", Nat. Genet. 4: 239-243 (1993) Short, J.M., Fernandez, J.M., Sorge, J.A., Huse, W.D., "Lambda ZAP: a bacteriophage lambda expression vector with in vivo excision properties", Nucleic Acids Res 16: 7583-7600 (1988) Simon, J.R., Moore, P.D., "Homologous recombination between single-stranded DNA and chromosomal genes in Saccharomyces cerevisiae", Mol Cell Biochem 7: 2329-2334 (1987) Sims, J., Capon, D., Dressler, D., "dnaG (primase)-dependent origins of DNA replication. Nucleotide sequences of the negative strand initiation sites of bacteriophages St-1, phi K, and alpha 3", J Biol Chem 254: 12615-12628 (1979) Smith and Waterman, "Comparison of Biosequences," Adv. Appl. Math 2: 482 (1981) Smith, A.E., "Viral vectors in gene therapy", Annu. Rev Microbiol 49: 807-838 (1995) Snijders, A., van Putten, A.J., Veltkamp, E., Nijkamp, H.J., "Localization and nucleotide sequence of the bom region of Clo DF13", Mol Gen Genet 192: 444-451 (1983) Snyder, R.O., Im, D.S., Ni, T., Xiao, X., Samulski, R.J., Muzyczka, N., "Features of the adeno-associated virus origin involved in substrate recognition by the viral Rep protein", J Virol 67: 6096-6104 (1993) Song, B., Sung, P., "Functional interactions among yeast Rad51 recombinase, Rad52 mediator, and replication protein A in DNA strand exchange", J Biol. Chem. 275: 15895-15904 (2000) Soni, R., Carmichael, J.P., Shah, Z.H., Murray, J.A., "A family of cyclin D homologs from plants differentially controlled by growth regulators and containing the conserved retinoblastoma protein interaction motif', Plant Cell 7: 85-103 (1995) Sozhamannan, S., Dabert, P., Moretto, V., Ehrlich, S.D., Gruss, A., "Plus-origin mapping of single-stranded DNA plasmid pE194 and nick site homologies with other plasmids", J Bacteriol 172: 4543-4548 (1990) Stellwagen, A.E., Craig, N.L., "Mobile DNA elements: controlling transposition with ATP-dependent molecular switches", Trends Biochem Sci 23: 486-490 (1998) Strathern, J.N., Weinstock, K.G., Higgins, D.R., McGill, C.B., "A novel recombinator in yeast based on gene II protein from bacteriophage fl", Genetics 127: 61-73 (1991) Sun et al., "Association of a Retroelement with a P4-Like Cyptic Prophage (Retronphage \(\pi R73 \)) Integrated into the Selenocystyl tRNA Gene of Escherichia coli," J. Bacteriol. 173: 4171-4181 (1991) Sung, P., "Yeast Rad55 and Rad57 proteins form a heterodimer that functions with replication protein A to promote DNA strand exchange by Rad51 recombinase", Genes Dev. 11: 1111-1121 (1997) Tamura, K., Adachi, Y., Chiba, K., Oguchi, K., Takahashi, H., "Identification of Ku70 and Ku80 homologues in Arabidopsis thaliana: evidence for a role in the repair of DNA double-strand breaks", Plant J. 29: 771-781 (2002) Tavakoli, N., Comanducci, A., Dodd, H.M., Lett, M.C., Albiger, B., Bennett, P., "IS1294, a DNA element that transposes by RC transposition", Plasmid 44: 66-84 (2000) Thomas, K.R., Capecchi, M.R., "Site-directed mutagenesis by gene targeting in mouse embryo-derived stem cells", Cell 51: 503-512 (1987) Thomas, K.R., Folger, K.R., Capecchi, M.R., "High frequency targeting of genes to specific sites in the mammalian genome", Qell 44: 419-428 (1986) **EXAMINER** DATE CONSIDERED

ATTY, DOCKET NO. SERIAL NO. INFORMATION DISCLOSURE CITATION 4810-69922-01 10/516,779 Form PTO-1449 (Modified) (Use several sheets if necessary) **APPLICANT** ROZWADOWSKI, Kevin, L. et al. FILING DATE **GROUP** 3 December 2004 1651 Thompson, S., Clarke, A.R., Pow, A.M., Hooper, M.L., Melton, D.W., "Germ line transmission and expression of COX a corrected HPRT gene produced by gene targeting in embryonic stem cells", Cell 56: 313-321 (1989) Tijssen, Laboratory Techniques in Biochemistry and Molecular Biology - Hybridization with Nucleic Acid Probes, Part I, Chapter 2 "Overview of principles of hybridization and the strategy of nucleic acid probe assays", Elsevier, New York (1993) Tinland, B., Koukolikova-Nicola, Z., Hall, M.N., Hohn, B., "The T-DNA-linked VirD2 protein contains two distinct functional nuclear localization signals", Proc Natl Acad Sci U.S.A. 89: 7442-7446 (1992) Tishkoff, D.X., Johnson, A.W., Kolodner, R.D., "Molecular and genetic analysis of the gene encoding the Saccharomyces cerevisiae strand exchange protein Sep1", Mol. Cell Biol. 11: 2593-2608 (1991) Todd, D., Creelan, J.L., Mackie, D.P., Rixon, F., McNulty, M.S., "Purification and biochemical characterization of chicken anaemia agent", J Gen Virol 71: 819-823 (1990) Tsuzuki, T., Fujii, Y., Sakumi, K., Tominaga, Y., Nakao, K., Sekiguchi, M., Matsushiro, A., Yoshimura, Y., Morita, T., "Targeted disruption of the Rad51 gene leads to lethality in embryonic mice", Proc. Natl. Acad. Sci. *U.S.A* 93: 6236-6240 (1996) Turlan, C., Chandler, M., "Playing second fiddle: second-strand processing and liberation of transposable elements from donor DNA", Trends Microbiol 8: 268-274 (2000) Ulmasov, T. et al., "Aux/IAA Proteins Repress Expression of Reporter Genes Containing Natural and Highly Active Synthetic Auxin Response Elements," Plant Cell 9: 1963-1971 (1997) van der Krol, A.R., Chua, N.H., "The basic domain of plant B-ZIP proteins facilitates import of a reporter protein into plant nuclei", *Plant Cell* 3: 667-675 (1991) van der Ende, E.A., Teertstra, R., Weisbeek, P.J., "Initiation and termination of the bacteriophage phi X174 rolling circle DNA replication in vivo: packaging of plasmid single-stranded DNA into bacteriophage phi X174 coats", Nucleic Acids Res 10: 6849-6863 (1982) van Mansfeld, A.D., Baas, P.D., Jansz, H.S., "Gene A protein of bacteriophage phi X174 is a highly specific single-strand nuclease and binds via a tyrosyl residue to DNA after cleavage", Adv Exp Med Biol 179: 221-230 (1984)van Mansfeld, A.D., van Teeffelen, H.A., Baas, P.D., Jansz, H.S., "Two juxtaposed tyrosyl-OH groups participate in phi X174 gene A protein catalysed cleavage and ligation of DNA", Nucleic Acids Res 14: 4229-4238 (1986) van Mansfeld, A.D., van Teeffelen, H.A., Baas, P.D., Veeneman, G.H., Van Boom, J.H., Jansz, H.S., "The bond in the bacteriophage phi X174 gene A protein--DNA complex is a tyrosyl-5'-phosphate ester", FEBS Lett 173: 351-356 (1984) Varagona et al., "Nuclear Localization Signal(s) Required for Nuclear Targeting of the Maize Regulatory Protein Opaque-2," Plant Cell 4: 1213-1227 (1992) von Arnim, A.G., Deng, X.W., Stacey, M.G., "Cloning vectors for the expression of green fluorescent protein fusion proteins in transgenic plants", Gene 221: 35-43 (1998) Voth, W.P., Richards, J.D., Shaw, J.M., Stillman, D.J., "Yeast vectors for integration at the HO locus", Nucleic Acids Res 29: E59-E59 (2001) Vousden, K., "Interactions of human papillomavirus transforming proteins with the products of tumor suppressor genes", FASEB J 7: 872-879 (1993) Wake, Ç.T., Gudewicz, T., Porter, T., White, A., Wilson, J.H., "How damaged is the biologically active subpopulation of transfected DNA?", Mol Cell Biol 4: 387-398 (1984)

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DATE CONSIDERED

EXAMINER

ATTY. DOCKET NO. SERIAL NO. INFORMATION DISCLOSURE CITATION 10/516,779 4810-69922-01 Form PTO-1449 (Modified) (Use several sheets if necessary) **APPLICANT** ROZWADOWSKI, Kevin, L. et al. FILING DATE GROUP . 3 December 2004 1651 Weinmann, P., Gossen, M., Hillen, W., Bujard, H., Gatz, C., "A chimeric transactivator allows tetracycline-J) responsive gene expression in whole plants", Plant J. 5: 559-569 (1994) Rogers, SG, Horsch, RB, Fraley, RT, "Gene Transfer in Plants: Production of Transformed Plants Using Ti Plasmid Vectors," Methods for Plant Molecular Biology, Weissbach and Weissbach, Academy Press, New York VIII, pp. 421-463 (1988) Whiteley, M., Kassis, J.A., "Rescue of Drosophila engrailed mutants with a highly divergent mosquito engrailed cDNA using a homing, enhancer-trapping transposon", Development 124: 1531-1541 (1997) Wilmut, I., Schnieke, A.E., McWhir, J., Kind, A.J., Campbell, K.H., "Viable offspring derived from fetal and adult mammalian cells", *Nature* 385: 810-813 (1997) Winzeler, E.A., Shoemaker, D.D., Astromoff, A., Liang, H., Anderson, K., Andre, B., Bangham, R., Benito, R., Boeke, J.D., Bussey, H., Chu, A.M., Connelly, C., Davis, K., Dietrich, F., Dow, S.W., El Bakkoury, M., Foury, F., Friend, S.H., Gentalen, E., Giaever, G., Hegemann, J.H., Jones, T., Laub, M., Liao, H., Davis, R.W., "Functional characterization of the S. cerevisiae genome by gene deletion and parallel analysis", Science 285: 901-906 (1999) Wohlleben, W., Arnold, W., Broer, I., Hillemann, D., Strauch, E., Puhler, A., "Nucleotide sequence of the phosphinothricin N-acetyltransferase gene from Streptomyces viridochromogenes Tu494 and its expression in Nicotiana tabacum", Gene 70: 25-37 (1988) Wold, M.S., "Replication protein A: a heterotrimeric, single-stranded DNA-binding protein required for eukaryotic DNA metabolism", *Annu. Rev. Biochem.* 66: 61-92 (1997) Wong, E.A., Capecchi, M.R., "Homologous recombination between coinjected DNA sequences peaks in early to mid-S phase", Mol Cell Biol 7: 2294-2295 (1987) Woolston, C.J., Barker, R., Gunn, H., Boulton, M.I., Mullineaux, P.M., "Agroinfection and nucleotide sequence of cloned wheat dwarf virus DNA", Plant Mol. Biol. 11: 35-43 (1988) Wu, K., Malik, K., Tian, L., Hu, M., Martin, T., Foster, E., Brown, D/, Miki, B., "Enhancers and core promoter elements are essential for the activity of a cryptic gene activation sequence from tobacco, tCUP", Mol Genet Genomics 265: 763-770 (2001) Xiang, C., Han, P., Lutziger, I., Wang, K., Oliver, D.J., "A mini binary vector series for plant transformation", Plant Mol Biol 40: 711-717 (1999) Yamamoto, A., Taki, T., Yagi, H., Habu, T., Yoshida, K., Yoshimura, Y., Yamamoto, K., Matsushiro, A., Nishimune, Y., Morita, T., "Cell cycle-dependent expression of the mouse Rad51 gene in proliferating cells", Mol. Gen. Genet. 251: 1-12 (1996) Yanez, R.J., Porter, A.C., "Gene targeting is enhanced in human cells overexpressing hRAD51". Gene Ther. 6: 1282-1290 (1999) Yang, X., McFadden, B.A., "A small plasmid, pCA2.4, from the cyanobacterium Synechocystis sp. strain PCC 6803 encodes a rep protein and replicates by a rolling circle mechanism", J Bacteriol 175: 3981-3991 (1993) Yang, X.W., Model, P., Heintz, N., "Homologous recombination based modification in Escherichia coli and germline transmission in transgenic mice of a bacterial artificial chromosome", Nat. Biotechnol. 15: 859-865 (1997) Yanisch-Perron, C., Vieira, J., Messing, J., "Improved M13 phage cloning vectors and host strains: nucleotide sequences of the M13mp18 and pUC19 vectors", Gene 33: 103-119 (1985) Yanovsky et al., "The protein encoded by the Arabidopsis homeotic gene agamous resembles transcription factors, M *Nature* 346: 35-39 (1990)

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DATE CONSIDERED

EXAMINER

ATTY, DOCKET NO. SERIAL NO. INFORMATION DISCLOSURE CITATION 10/516,779 4810-69922-01 Form PTO-1449 (Modified) (Use several sheets if necessary) **APPLICANT** ROZWADOWSKI, Kevin, L. et al. FILING DATE **GROUP** 3 December 2004 1651 Yasukawa, H., Hase, T., Sakai, A., Masamune, Y., "Rolling-circle replication of the plasmid pKYM isolated from a gram-negative bacterium", Proc Natl Acad Sci U.S.A. 88: 10282-10286 (1991) Yasukawa, H., Masamune, Y., "Rolling-circle plasmid pKYM re-initiates DNA replication", DNA Res 4: 193-197 (1997)Yeom, Y.I., Abe, K., Bennett, D., Artzt, K., "Testis-/embryo-expressed genes are clustered in the mouse H-2K region", Proc Natl Acad Sci U.S.A. 89: 773-777 (1992) Yoon, K., Cole-Strauss, A., Kmiec, E.B., "Targeted gene correction of episomal DNA in mammalian cells mediated by a chimeric RNA.DNA oligonucleotide", Proc.Natl.Acad.Sci.U.S.A. 93: 2071-2076 (1996) Yoshida, K., Takegami, T., Katoh, A., Nishikawa, M., Nishida, T., "Construction of a novel conjugative plasmid harboring a GFP reporter gene and its introduction into animal cells by transfection and trans-kingdom conjugation", Nucleic Acids Symp Ser. 157-158 (1997) Yoshimatsu, T., Nagawa, F., "Control of gene expression by artificial introns in Saccharomyces cerevisiae", Science 244: 1346-1348 (1989) Zhang, W., McElroy, D., Wu, R., "Analysis of rice Act1 5' region activity in transgenic rice plants", Plant Cell 3: 1155-1165 (1991) Zhu, T., Mettenburg, K., Peterson, D.J., Tagliani, L., Baszczynski, C.L., "Engineering herbicide-resistant maize using chimeric RNA/DNA oligonucleotides", Nat. Biotechnol. 18: 555-558 (2000) Zhu, T., Peterson, D.J., Tagliani, L., St. Clair, G., Baszczynski, C.L., Bowen, B., "Targeted manipulation of maize genes in vivo using chimeric RNA/DNA oligonucleotides", Proc. Natl. Acad. Sci. U.S.A. 96: 8768-8773 (1999) Ziegelin, G., Lanka, E., "Bacteriophage P4 DNA replication", FEMS Microbiol. Rev. 17: 99-107 (1995) Ziegelin, G., Pansegrau, W., Lurz, R., Lanka, E., "Trak protein of conjugative plasmid RP4 forms a specialized nucleoprotein complex with the transfer origin", J Biol Chem 267: 17279-17286 (1992)

EXAMINER

DATE CONSIDERED